

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number  
**WO 2005/015240 A1**

(51) International Patent Classification<sup>7</sup>: **G01N 33/74, 33/76**

(21) International Application Number:  
PCT/GB2004/003385

(22) International Filing Date: 5 August 2004 (05.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0318296.1 5 August 2003 (05.08.2003) GB

(71) Applicant (for all designated States except US): **THE SECRETARY OF STATE FOR DEFENCE** [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HASELEY, Simon, Richard** [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB). **MCDONNELL, Martin, Bernard** [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB). **PADGEN, Debbie, Brenda** [GB/GB]; DSTL, Porton Down, Salisbury, Wiltshire SP4 0JQ (GB). **SEGURA, Jose** [ES/ES]; Pharmacology Research Unit, Municipal Institute of Medical Research, Dept. of Experimental and Health Sciences, University Pompeu fabra,

C/Doctor Aiguader, 80, 08003-Barcelona (ES). **GUTIERREZ-GALLEGO, Ricardo** [ES/ES]; Pharmacology Research Unit, Municipal Institute of Medical Research, Dept. of Experimental and Health Sciences, University Pompeu fabra, C/Doctor Aiguader, 80, 08003-Barcelona (ES).

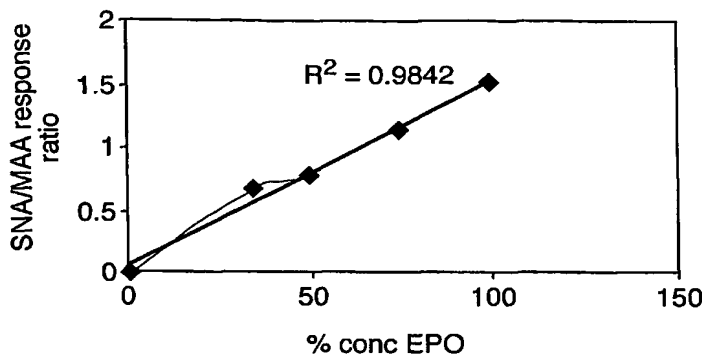
(74) Agent: **BECKHAM, Robert, William**; D/IPD Formalities Section, Poplar 2, MOD Abbey Wood #2218, Bristol BS34 8JH (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHOD FOR THE DETECTION OF ABNORMALLY GLYCOSYLATED PROTEINS



(57) Abstract: A method of screening a sample for the presence of one or more abnormally glycosylated and/or expressed proteins comprises the steps of i) exposing said sample to two or more different lectins and/or antibodies ii) determining the extent of binding of said sample to at least two of said lectins and/or antibodies and iii) comparing the determined extent of binding to said at least two lectins and/or antibodies with that of a control sample.



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*